



CAMECO RESOURCES
Smith Ranch-Highland
Operation

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December 31, 2008

Mr. Lowell Spackman, District I Supervisor
Land Quality Division
Wyoming Department of Environmental Quality
122 West 25th Street
Cheyenne, WY 82002

RE: Permit to Mine 633, License SUA-1548, Docket 40-8964
Report of East Evaporation Pond Leak and corrective actions

Dear Mr. Spackman:

Power Resources, Inc. d/b/a Cameco Resources (CR) is herein reporting a leak in the East Evaporation Pond at the Smith Ranch Facility. Following confirmation results, the leak was reported to Ms. Pam Rothwell of the Land Quality Division, Wyoming Department of Environmental Quality and Mr. Doug Mandeville, USNRC Project Manager, on December 3, 2008.

The leak resulted from a deer accessing the pond and breaching the liner. The perimeter fence was inspected to determine the access point and repairs were completed on December 22, 2008. A contractor has been contacted and will bid to up grade the confining fence. Repairs to the East Evaporation pond were completed on December 22, 2008. CR employees were not satisfied with the repair results and the pond was not tested. The air temperature was more conducive to repairs this week and were completed Dec. 30, 2008. The pond will be filled above the level of repairs and tested for competency. The January report will describe the test results.

The pond has been lowered below the leak and samples have not since been collected from the east sump for lack of water.

Initial and Confirming Sample Results

Sample E. Sump	U ₃ O ₈ (ppm)	Chloride (g/L)	Bicarb (g/L)	Sulfate (g/L)	Conductivity (mS/cm)
11/30/08	783	3.2	3.7	4.8	9.2
12/1/08	678	3.1	3.1	5.5	9.5

If you have any questions or need additional information please call me at (307) 358-6541, ext. 62.

Sincerely,



Krista Wenzel
Manager, Environment, Health and Safety

cc: D. Mandeville, NRC Project Manager (2 copies) T. Cannon

M. D. Bryson

S. Bakken

File SR-4.3.3.4